

ABSTRACT:

A high frequency driver for a gas discharge lamp is supplied with a DC voltage. The driver converts the input DC voltage to an AC voltage and supplies the AC voltage to a load, which comprises a gas discharge lamp, an inductor connected in series with the lamp and a capacitor connected in parallel to the lamp. The AC voltage has a first high frequency during ignition of the lamp and a second high frequency during normal operation of the lamp after its ignition. The first frequency is higher than the second frequency by a ratio of at least 2,2. By modulating the frequency of the AC voltage the ratio can be increased while still complying with EMI and RFI requirements.

10 Fig. 1.